

ABSTRACT OF THE DISCLOSURE

5 An infrared refractive lens triplet having color correction properties for radiation within the 3 to 12 micrometer spectral band for use with a quantum well detector for simultaneous dual band imagery. In certain embodiments of the invention, two widely spaced triplets form a Petzval-type objective lens. Each lens triplet is made up of a negative zinc sulfide lens, a positive zinc selenide lens, and a negative gallium arsenide lens coaxially positioned along a chief ray of the lens system.